To: CN=Phil North/OU=R10/O=USEPA/C=US@EPA[]

Cc: CN=Barbara Butler/OU=CI/O=USEPA/C=US@EPA;CN=Glenn

Suter/OU=CI/O=USEPA/C=US@EPA;CN=Jeff

Frithsen/OU=DC/O=USEPA/C=US@EPA;CN=Sheila

Eckman/OU=R10/O=USEPA/C=US@EPA;rseal@usgs.gov[]; N=Glenn

Suter/OU=CI/O=USEPA/C=US@EPA;CN=Jeff

Frithsen/OU=DC/O=USEPA/C=US@EPA;CN=Sheila

Eckman/OU=R10/O=USEPA/C=US@EPA;rseal@usgs.gov[]; N=Jeff

Frithsen/OU=DC/O=USEPA/C=US@EPA;CN=Sheila

Eckman/OU=R10/O=USEPA/C=US@EPA;rseal@usgs.gov[]; N=Sheila

Eckman/OU=R10/O=USEPA/C=US@EPA;rseal@usgs.gov[]; seal@usgs.gov[]

From: CN=Patricia McGrath/OU=R10/O=USEPA/C=US

Sent: Fri 6/17/2011 8:24:53 PM

Subject: Re: Fw: Further discussion with Bob Seal to identify information needs of the ERA

Description

A few people at the public meetings asked me about uranium. I told them that I was not aware of whether or not the deposit contained uranium and had not heard that mentioned before. Uranium can occur in igneous deposits. We would need to ask PLP about whether or not uranium is a trace element in the Pebble deposit. I am out until June 27 so perhaps Phil can give them a call.

- Patty

-----Phil North/R10/USEPA/US wrote: -----

To: Jeff Frithsen/DC/USEPA/US From: Phil North/R10/USEPA/US Date: 06/16/2011 12:17PM

Cc: Barbara Butler/CI/USEPA/US@EPA, Glenn Suter/CI/USEPA/US@EPA, Patricia McGrath/R10/USEPA/US@EPA, rseal@usgs.gov, Sheila Eckman/R10/USEPA/US@EPA Subject: Re: Fw: Further discussion with Bob Seal to identify information needs of the ERA

I will send the conference info.

Uranium has never been mentioned on the context of Pebble. There are a few metals that are of lower concentration but economic to market, uranium has never been included in the list.

Phillip North
Ecologist
Environmental Protection Agency
Kenai River Center
514 Funny River Road
Soldotna, Alaska 99669
(907) 714-2483
fax 260-5992
north.phil@epa.gov

"To protect your rivers, protect your mountains."

Jeff Frithsen---06/16/2011 04:48:23 AM---Phil: Please invite Barbara Butler to this party.

From: Jeff Frithsen/DC/USEPA/US
To: Phil North/R10/USEPA/US@EPA

Cc: Barbara Butler/CI/USEPA/US@EPA, Glenn Suter/CI/USEPA/US@EPA, Patricia McGrath/R10/USEPA/US@EPA, Sheila Eckman/R10/USEPA/US@EPA, rseal@usgs.gov

Subject: Fw: Further discussion with Bob Seal to identify information needs of the ERA
Phil:
Please invite Barbara Butler to this party.
Also, please send out teleconference information when you have it.
A question: Do you know if uranium is associated with the Pebble mining deposit? Would it be of high enough concentration to be of commercial value?
Jeff
Jeffrey B. Frithsen, Ph.D. Chief, Exposure Analysis and Risk Characterization Group National Center for Environmental Assessment, 8623-P Office of Research and Development, U.S. Environmental Protection Agency 1200 Pennsylvania Avenue, NW, Washington, DC 20460 703-347-8623 (office); 410-336-8535 (cell)
Physical Address (FedEx, UPS, and Overnight Deliveries) Two Potomac Yard Building - Room N7741 2733 S. Crystal Drive Arlington VA 22202
Forwarded by Jeff Frithsen/DC/USEPA/US on 06/16/2011 08:46 AM
Further discussion with Bob Seal to identify information needs of the ERA
Thu 06/23/2011 2:30 PM - 4:00 PM
Attendance is for Jeff Frithsen
Chair: Phil North/R10/USEPA/US

Date: 06/16/2011 04:48 AM

2

No Location	Information
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Required:

Glenn Suter/CI/USEPA/US@EPA, Jeff Frithsen/DC/USEPA/US, rseal@usgs.gov

Optional:

Patricia McGrath/R10/USEPA/US@EPA, Sheila Eckman/R10/USEPA/US@EPA

Time zones:

This entry was created in a different time zone. The time in that time zone is: Thu 06/23/2011 10:30 AM YDT12:00 PM YDT

Description Personal Notes